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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/641,730	08/21/2000	Yoshiko Shiimori	5-006US-FF	8090

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EXAMINER	
BRUCKART, BENJAMIN R	
ART UNIT	**PAPER NUMBER**
2155	5

DATE MAILED: 03/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/641,730	SHIIMORI, YOSHIKO	
	Examiner	Art Unit	
	Benjamin R Bruckart	2155	

-- The MAILING DATE of this communication appears on th cover sheet with th correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *24 February 2004*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-21* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-21* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Detailed Action

Status of Claims:

Claims 1-21 are pending in this Office Action.

Claims 1-12, 14-21 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent Number 5,533,174 by Flowers et al ("Flowers").

Claim 13 is rejected under 35 U.S.C. 103(a) as being obvious over U.S. Patent No. 5,533,174 by Flowers et al in view of U.S. Patent No. 6,452,692 by Yacoub.

Foreign Priority

Receipt is acknowledged of papers submitted on August 21, 2000 under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file. Attention is directed to the fact that the date for which foreign priority is claimed is not the date of the filed application acknowledged in the oath or declaration. The priority data of August 20, 1999 is given priority.

Drawings

The drawings were received on August 21, 2000. These drawings are accepted and approved.

Response to Arguments

Applicant's arguments filed in the amendment filed February 17, 2004, Paper No. 4, have been fully considered but they are not persuasive. The reasons are set forth below.

Applicant's invention as claimed:

Claims 1-12, 14-21 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent Number 5,533,174 by Flowers et al ("Flowers").

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Regarding claim 1, a data communication system comprising a client computer (Flowers: col. 2, line 52; workstation or printer; Figure 2, tag 12, 14) and a server (Flowers: col. 2, line 52; "FAF font server"; Figure 2, tag 16) that are capable of communicating data with each other (Flowers: col. 2, lines 52-59; col. 4, lines 11; network bus), wherein said client computer includes a first font transmitting unit (Flowers: col. 4, lines 16-21; Figure 2, tag 30) for transmitting font information data representing fonts capable of being output at said client computer (Flowers: col. 9, lines 52-60; col. 4, lines 28-36); and

said server includes:

a first receiving unit for receiving the font information data that has been transmitted from said first font transmitting unit of said client computer (Flowers: col. 4, lines 28-36; receives from a client);

a font search unit for searching for fonts, which are capable of being output at said client computer, from among fonts capable of being output at said server, on the basis of fonts represented by the font information data that has been received by said first receiving unit (Flowers: col. 4, lines 50-67; col. 9, lines 41-52); and

a second font transmitting unit for transmitting font information data representing the fonts, which have been found by said font search unit, to said client computer (Flowers: col. 4, lines 28-36; col. 9, lines 15-19).

Regarding claim 2, the system according to claim 1, wherein said client computer further includes an operating-system transmitting unit for transmitting operating-system data, which represents an operating system of said client computer, to said server (col. 2, lines 52-60; compatible with operating system; col. 4, lines 50-55; col. 12, lines 44-47); and

said server further includes an operating-system data receiving unit for receiving the operating-system data transmitted from said operating-system data transmitting unit of said client computer (Flowers: col. 4, lines 28-36; receives from a client; col. 4, lines 50-55);

said font search unit searching for fonts, which are capable of being output at said client computer, on the basis of the operating system represented by the operating-system data that has been received by said operating-system data receiving unit and the fonts represented by the font information data that has been received by said first receiving unit (Flowers: col. 2, lines 52-60 ; col. 4, lines 28-36, lines 50-67; col. 9, lines 13-19, lines 20-29, lines 52-60).

Regarding claim 3, the system according to claim 2, wherein said server further includes a first reporting unit for reporting fonts, which are capable of being output, in association with an operating system (Flowers: col. 9, lines 20-60; client queries the server, the server responds with a list of fonts meeting requirements; col. 4, lines50-55; operating data is a requirement; col. 8, lines 36-53).

Regarding claim 4, the system according to claim 1, wherein said client computer further includes:

a selection unit for selecting a type of document to be created (Flowers: col. 5, lines 6-16); and

a selection-data transmitting unit for transmitting selection data, which represents the type of document selected by said selection unit, to said server (Flowers: col. 4, lines 50-55; data layout and data format); and

said server further includes a selection-data receiving unit for receiving the document selection data that has been transmitted from said client computer (network communication col. 2, lines 52-60);

said font search unit searching for fonts, which are capable of being output at said client computer, on the basis of the type of document represented by the selection data that has been received by said selection data receiving unit and the font information data that has been received by said first receiving unit (Flowers: col. 4, lines 28-36; receives from a client; col. 8, lines 36-53).

Regarding claim 5, the system according to claim 4, wherein said server further includes a second reporting unit for reporting fonts, which are capable of being output, in association with the type of document (Flowers: col. 8, lines 36-53).

Regarding claim 10, the system according to claim 1, wherein said client computer (Flowers: col. 2, line 52; workstation or printer; Figure 2, tag 12, 14) further comprises a font name display device (Flowers: col. 9, lines 30-44; col. 10, lines 56-64) that displays a font name represented by the font information data transmitted from said second font transmitting unit of said server (Flowers: col. 6, lines 54-65; name identifiers; the server returns to the client a list or a font which is identified by the name identifier referenced through the tables).

Regarding claim 11, the system according to claim 1, wherein said client computer further comprises:

a font determination unit that determines a font used in the edited image (col. 11, lines 30; bitmaps) from among the font information data transmitted from said second font transmitting unit of said server (Flowers: col. 11, lines 27-37; name identifier or a structure name; lines 52-61); and

image editing means for editing an image using a font determined by said font determination unit (Flowers: col. 11, lines 62- col. 12, line 2).

Regarding claim 14, the system of claim 1, wherein a storage capacity of the server is larger than that of a storage capacity of the client computer (Flowers: col. 4, lines 22-27).

Regarding claim 15, the system according to claim 2, wherein said operating-system data comprises a type of document being created by the client computer (Flowers: col. 5, lines 6-16; col. 4, lines 50-55).

Regarding claim 16, the system according to claim 1,

further comprising a printer attached to said server (Flowers: Figure 1, Figure 2).

Regarding claim 17, the system according to claim 16, wherein said font information data, including fonts capable of being output from said server and capable of being output at said client computer, comprises fonts capable of being printed by said printer (Flowers: col. 2, lines 52- col. 3, line 15).

Regarding claim 6, a client computer capable of communicating data with a server, wherein (Flowers: col. 2, lines 52-61):

font information data representing fonts capable of being output at said client computer are transmitted from said client computer to said server (Flowers: col. 2, lines 64- col. 3, line 5; col. 3, lines 28-36, lines 50-55); and

said server searches fonts capable of being output at said server for fonts capable of being output at said client computer based upon fonts represented by the font information data that has been transmitted from said client computer, and transmits font information data representing the fonts that have been found to said client computer (Flowers: col. 4, lines 50-67; col. 9, lines 41-52);

said client computer having:

a receiving unit for receiving font information data that has been transmitted from said server (Flowers: col. 4, lines 16-21; Figure 2, tag 30); and

a reporting unit for reporting fonts represented by the font information data that has been received by said receiving unit (Flowers: col. 9, lines 20-29).

Regarding claim 7, a server capable of communicating data with a client computer, comprising (Flowers: col. 2, lines 52-60):

a receiving unit for receiving font information data transmitted from said client computer and representing fonts capable of being output at said client computer (Flowers: col. 4, lines 28-36; receives from a client);

a search unit for searching for fonts, which are capable of being output at said client computer, from among fonts capable of being output at said server, on the basis of fonts represented by the font information data that has been received by said first receiving unit (Flowers: col. 9, lines 40-43; lines 55-58); and a transmitting unit for transmitting font information data, which represents fonts that have been found by said search unit, to said client computer (Flowers: col. 4, lines 50-67; col. 9, lines 41-52).

Regarding claim 8, a method of controlling a server which communicates data with a client computer, comprising the steps of (Flowers: col. 2, lines 52-60):

receiving font information data that has been transmitted from the client computer and that represents fonts capable of being output at said client computer (Flowers: col. 4, lines 28-36; col. 2, lines 52-60); searching for fonts, which are capable of being output at the client computer, from among fonts capable of being output at the server, on the basis of fonts represented by the font information data that has been received (Flowers: col. 9, lines 30-44); and

transmitting font information data representing the fonts that have been found to the client computer. (Flowers: col. 4, lines 28-36; col. 9, lines 15-19)

Regarding claim 9, a computer-readable recording medium (Flowers: col. 1, lines 8 and 9) storing a program for controlling a client computer capable of communicating with a server (col. 2, lines 52-60), wherein the client computer transmits font information data representing fonts capable of being output at said client computer to the server (col. 4, lines 28-36), said server searches fonts capable of being output at said server for fonts capable of being output at said client computer based upon fonts represented by the font information data that has been transmitted from said client computer (col. 9 lines 36-45 where the client further queries the

servers list to search for the font), and transmits font information data representing the fonts that have been found to said client computer (Flowers: col. 4, lines 28-36; col. 9, lines 15-19) said program controlling the client computer so as to:

receive font information data that has been transmitted from said server (Flowers: col. 4, lines 28-36; col. 9, lines 15-19, lines 30-52); and

report fonts represented by the font information data that has been received (Flowers: col. 9, lines 20-29; col. 10, lines 57-64).

Regarding claim 12, a data communications system comprising:

means for communicating data between a client computer and a server (Flowers: col. 2, lines 52-61),

wherein said client computer comprises means for transmitting font information data including fonts capable of being output at said client computer (Flowers: col. 4, lines 16-36); and

wherein said server comprises:

means for receiving the font information data transmitted from said means for transmitting (Flowers: col. 4, lines 28-36);

means for searching for fonts (Flowers: col. 9, lines 30-44; responding to queries), capable of being output at said client computer, from among fonts capable of being output at said server, on the basis of the font information data received by said means for receiving (Flowers: col. 2, lines 62-67; col. 4, lines 28-36, lines 50-55); and

second means for transmitting font information data, including the fonts that have been identified by said means for searching, to said client computer (Flowers: col. 9, lines 14-20).

Regarding claim 18, a data communications server comprising:

a client computer (Flowers: col. 2, lines 52-60; Figure 2, tag 12); and

a server in communication with said client computer (Flowers: col. 2, lines 52-60; Figure 2, tag 16);

wherein said client computer comprises:

a first font transmitting unit that transmits a first font information data from said server (Flowers: col. 4, lines 28-36; col. 9, lines 30-32); and

wherein said server comprises:

a second receiving unit for receiving the first font information data transmitted from said first font transmitting unit of said client computer (Flowers: col. 4, lines 28-36); and

a second font transmitting unit that transmits the second font information data from said server to said client computer (Flowers: col. 9, lines 14-29); and

means for ensuring that a font employed by the client computer is capable of being output by the server (Flowers: col. 6, lines 24-29; col. 4, lines 28-36).

Regarding claim 19, the system according to claim 18, wherein said means for ensuring comprises:

a font search unit that searches for fonts capable of being output at said client computer and capable of being output at said server (Flowers: col. 9, lines 30-44; responding to queries), based on the first font information data received from said client computer by said first receiving unit (Flowers: col. 4, lines 28-36), and generates said second font information data comprising fonts capable of being output at said client computer and capable of being output at said server (Flowers: col. 9, lines 30-52).

Regarding claim 20, the system according to claim 19,

further comprising a printer attached to said server, said printer capable of printing fonts output from said server (Flowers: col. 2, lines 52-60).

Regarding claim 21, the system according to claim 19, wherein said font information data, including fonts capable of being output from said server and capable of being output at said client computer, comprises fonts capable of being printed by a printer of the server (Flowers: col. 2, lines 62-67; col. 4, lines 28-36, lines 50-55).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 13 is rejected under 35 U.S.C. 103(a) as being obvious over U.S. Patent No. 5,533,174 by Flowers et al in view of U.S. Patent No. 6,452,692 by Yacoub.

Regarding claim 13,

The Flowers reference teaches the system according to claim 1, a printer and client connected to a server (Flowers: col. 2, lines 52-60) that determines printer and client requirements (Flowers: col. 4, lines 50-55)

The Flowers reference does not explicitly state the printing quality of the server is greater than that of a printing quality of the client computer.

The Yacoub reference teaches a networked printer server (Yacoub: col. 2, lines 26-29) that searches out the highest quality printer that meets the print job (Yacoub: col. 5, lines 9-16)

The Yacoub reference further teaches the system that processes the print jobs reduces the level of user interaction and increases effectiveness of printing (Yacoub: col. 1, lines 13-20, lines 37-43)

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create a printer and client system network system as taught by Flowers while a server coupled to higher quality printers as taught by Yacoub in order to increase effectiveness higher quality jobs (Yacoub: col. 1, lines 13-20, lines 37-43)

The Applicant Argues:

Applicant argues with regards to claim 1, Flowers teaches sending to the client a list of all catalogues available from the server. Applicant argues the client does not send a list of the server.

In response, the examiner respectfully submits:

Regarding claim 1, a data communication system comprising a client computer (Flowers: col. 2, line 52; workstation or printer; Figure 2, tag 12, 14) and a server (Flowers: col. 2, line 52; "FAF font server"; Figure 2, tag 16) that are capable of communicating data with each other (Flowers: col. 2, lines 52-59; col. 4, lines 11; network bus), wherein said client computer includes a first font transmitting unit (Flowers: col. 4, lines 16-21; Figure 2, tag 30) for transmitting font information data representing fonts capable of being output at said client computer (Flowers: col. 9, lines 52-60; col. 4, lines 28-36); and

said server includes:

a first receiving unit for receiving the font information data that has been transmitted from said first font transmitting unit of said client computer (Flowers: col. 4, lines 28-36; receives from a client);

a font search unit for searching for fonts, which are capable of being output at said client computer, from among fonts capable of being output at said server, on the basis of fonts represented by the font information data that has been received by said first receiving unit (Flowers: col. 4, lines 50-67; col. 9, lines 41-52); and

a second font transmitting unit for transmitting font information data representing the fonts, which have been found by said font search unit, to said client computer (Flowers: col. 4, lines 28-36; col. 9, lines 15-19).

The Flowers reference teaches FAF font server that receives print or display requirements received from a client (Flowers: col. 4, lines 28-36). The limitation states the client sends data representing fonts capable of being output. The Flowers reference does disclose sending data from the client to the server to meet its capabilities (Flowers: col. 4, lines 50-55; col. 2, lines 64-67). The Flowers reference further teaches the catalogues are client specified by on licenses, applications, and other significant data (Flowers: col. 8, lines 37-48).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action (the added claims). Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin R Bruckart whose telephone number is (703) 305-0324. The examiner can normally be reached on 8:00-5:30PM with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (703) 308-6662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Benjamin R Bruckart
Examiner
Art Unit 2155
brb
March 4, 2003

HOSAIN ALAM
SUPERVISORY PATENT EXAMINER